

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 6547

**TITLE:** PLANT MECHANIC III

**GRADE:** S-20

**DEFINITION:**

Under general supervision, serves as a highly skilled lead plant mechanic for special projects and the preventative, predictive, and corrective mechanical maintenance of operating equipment for a large 24/7 wastewater treatment plant or geographically dispersed pumping stations and flow metering stations throughout the County; and performs related duties as required.

**DISTINGUISHING CHARACTERISTICS OF THE CLASS:**

This class is a skilled and lead level plant mechanic.

**ILLUSTRATIVE DUTIES:**

*(The illustrative duties listed in this specification are representative of the class but are not an all inclusive list. A complete list of position duties and unique physical requirements can be found in the position description.)*

Performs highly complex mechanical maintenance on plant and pumping station process equipment and executes major mechanical repairs and overhauls, including rebuilding plant and pumping station machinery and equipment;

Assists the Plant Maintenance Supervisor in analyzing causes of equipment failures, repair action required and in establishing priorities;

Performs minor plumbing and electrical work;

May perform general maintenance tasks such as wet well cleaning, grounds keeping and routine building maintenance;

Maintains records of work required, work performed, and time and materials required;

Serves as lead mechanic when one or more Plant Mechanics and helpers are assigned to a large, complex repair or overhaul job;

Oversees the work of more junior mechanics as well as daily training of the less experienced mechanics and provides input to supervisor for performance appraisals;

Responsible for compliance with safety standards and regulations on the assigned shift and work station;

Performs work in a safe manner according to all regulations, participates in safety training, and reports unsafe conditions.

**REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:**

*(The knowledge, skills and abilities listed in this specification are representative of the class but are not an all inclusive list.)*

Knowledge of the methods, tools and equipment used in mechanical maintenance and repair work;

Thorough knowledge of maintenance and repair procedures used in wastewater treatment, pumping station and flow metering equipment;

Ability to observe plant equipment and determine whether it is operating effectively;

Ability to diagnose and repair a wide variety of mechanical equipment;

Ability to make prompt and sound decisions in emergencies arising from electrical power failures, motor and pump failures and accidents involving release of toxic chemicals;  
Ability to read, understand, and follow manufacturers' service and repair manuals;  
Ability to keep records and write work-related reports;  
Ability to supervise and instruct subordinates;  
Knowledge of occupational hazards and applicable safety practices.

**EMPLOYMENT STANDARDS:**

Any combination of education, training, and experience equivalent to the following:  
Graduation from high school, or a GED issued by a state department of education and five years of mechanical experience; including two years of wastewater experience.

**CERTIFICATES AND LICENSES REQUIRED:**

Must have and maintain a valid Motor Vehicle Driver's License.

**NECESSARY SPECIAL REQUIREMENTS:**

Subject to 24 hour call back and must, therefore, be able to work emergency overtime.  
Subject to working in adverse weather conditions and may be exposed to raw waste.

REVISED:	April 21, 2009
REGRADED:	March 4, 2009
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REVISED:	September 28, 1995